## . The sum sum.

## **CLAIMS**

## What is claimed is:

1	5.	The method of Claim 4 further comprising:	
6	imposter domain name.		
5		instructing the requester that the domain name is an alias for the current	
4	domain name that is one of the plurality of imposter domain names; and		
3		appending a text string to the domain name to create a current imposter	
2	names comprises:		
1	4.	The method of Claim 3 wherein returning a plurality of imposter domain	
2	plura	lity of imposter domain names.	
1	3.	The method of Claim 1 wherein the plurality of imposter responses comprise a	
2	abou	t a second remote computer identified by a domain name.	
1	2.	The method of Claim 1 wherein the request is a request to access information	
5	until	the link is established.	
4	establishing the link while concurrently returning a plurality of imposter responses		
3		if a link to a first remote computer containing the information is down,	
2		receiving from a requester a request to access an information;	
1	1.	A method comprising:	

- 5. The method of Claim 4 further comprising:
- 2 recursively receiving from the requester a plurality of requests to access
- 3 information about a remote computer identified by one of the plurality of imposter
- 4 domain names; and
- if the link remains down, continuing to establish the link, incrementing the 5
- current imposter domain name to form a next current imposter domain name of the 6
- plurality of imposter domain names, and instructing the requester that the current 7
- 8 imposter domain name is an alias for the next current imposter domain name.

1	6.	The method of Claim 5 further comprising:		
2		detecting that the link is established; and		
3		after the link is established,		
4		converting the current imposter domain name to the domain name; and		
5		informing the requester that the imposter domain name is an alias for		
6		the domain name.		
1	7.	The method of Claim 6 further comprising:		
2		receiving from the requester a second request to access the information after		
3	the li	the link is established.		
1	8.	The method of Claim 7 further comprising:		
2		after the link is established,		
3		forwarding the second request to the first remote computer;		
4		receiving a response to the second request; and		
5		forwarding the response to the second request to the requester.		
i	9.	The method of Claim 7 wherein the second request is a request to access		
2	infor	mation about the second remote computer identified by the domain name.		
1	10.	The method of Claim 5 further comprising:		
2		determining whether a maximum number of recursions has been exceeded,		
3	and if so, returning an appropriate error.			
1	11.	The method of Claim 5 further comprising:		
2		determining whether a maximum amount of time has been exceeded, and if so,		
3	returning an appropriate error.			
1	12.	The method of Claim 1 wherein the requester is a domain name system (DNS)		
2	resolv	ver.		
1	13.	The method of Claim 1 wherein the request is initiated by a local application		

program.

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- 14. The method of Claim 1 wherein the request is initiated by a remote application program.
  15. The method of Claim 1 wherein the first remote computer is a server.
  16. The method of Claim 1 wherein the link is a network connection.
- 1 17. The method of Claim 1 wherein the requester is an Internet web browser, the request is an hypertext transfer protocol (HTTP) "get" instruction, and the plurality of
- 3 imposter responses comprise at least one temporary web page and at least one HTTP
- 4 "meta refresh" instruction.
  - 18. A method comprising:
- receiving a domain name system (DNS) request initiated by an application program;
  - if no Internet connection has been established, precluding a user from receiving an error message by establishing a dial-up connection to the Internet while concurrently returning a plurality of imposter domain names until the dial-up Internet connection is established.
  - 19. The method of Claim 18 wherein returning comprises:
- forming a current imposter domain name by appending an information to the domain name; and
- sending a canonical name (CNAME) response stating that the domain name is an alias for the current imposter domain name.
- 1 20. The method of Claim 19 further comprising:
- while establishing the dial-up connection, recursively
- receiving from the application program a request to access information about a remote computer identified by one of the plurality of imposter domain names;

U		forming a next current imposter domain name of the plutanty of	
7		imposter domain names by modifying a portion of the information of the	
8		current imposter domain name; and	
9		sending a CNAME response stating that the current imposter domain	
10		name is an alias for the next current imposter domain name.	
1	21.	The method of Claim 20 further comprising:	
2		detecting that the dial-up connection is established; and	
3		after the dial-up connection is established,	
4		converting the current imposter domain name to the domain name; and	
5		sending a CNAME response stating that the current imposter domain	
6		name is an alias for the domain name.	
1	22.	The method of Claim 21 further comprising:	
2		receiving from the application program a second request to access information	
3	about	the remote computer identified by the domain name after the dial-up connection	
4	is esta	blished.	
1	23.	The method of Claim 22 further comprising:	
2		after the dial-up connection is established,	
3		forwarding the second request to a server;	
4		receiving a response to the second request; and	
5		forwarding the response to the application program.	
1	24.	A network host comprising a processor and a machine readable medium	
2	contai	ning instructions which when executed by the processor cause the processor to	
3	perform operations comprising:		
4		receiving from a requester a request to access an information;	
5		if a link to a first remote computer containing the information is down,	
6	establishing the link while concurrently returning a plurality of imposter responses		
7	until the link is established		

- 1 25. The network host of Claim 24 wherein the request is a request to access
- 2 information about a second remote computer identified by a domain name.
- 1 26. The network host of Claim 24 wherein the plurality of imposter responses
- 2 comprise a plurality of imposter domain names.
- 1 27. The network host of Claim 26 wherein returning a plurality of imposter
- 2 domain names comprises:
- appending a text string to the domain name to create a current imposter
- 4 domain name that is one of the plurality of imposter domain names; and
- 5 instructing the requester that the domain name is an alias for the current
- 6 imposter domain name.
- 1 28. The network host of Claim 27 wherein the instructions cause the processor to perform further operations comprising:
- recursively receiving from the requester a plurality of requests to access information about a remote computer identified by one of the plurality of imposter domain names; and
- if the link remains down, continuing to establish the link, incrementing the current imposter domain name to form a next current imposter domain name of the plurality of imposter domain names, and instructing the application program that the
- 9 current imposter domain name is an alias for the next current imposter domain name.
- 1 29. The network host of Claim 28 wherein the instructions cause the processor to
- 2 perform further operations comprising:
- detecting that the link is established; and
- 4 after the link is established,
- 5 converting the current imposter domain name to the domain name; and
- 6 informing the requester that the imposter domain name is an alias for
- 7 the domain name.

- 1 30. The network host of Claim 29 wherein the instructions cause the processor to perform further operations comprising:
- receiving from the requester a second request to access the information after
- 4 the link is established.
- 1 31. The network host of Claim 30 wherein the instructions cause the processor to
- 2 perform further operations comprising:
- after the link is established,
- 4 forwarding the second request to the first remote computer;
- 5 receiving a response to the second request; and
- forwarding the response to the second request to the requester.
- 1 32. The network host of Claim 24 wherein the requester is a domain name system
- 2 (DNS) resolver.
- 1 33. The network host of Claim 24 wherein the request is initiated by an
- 2 application program on the host.
- 1 34. The network host of Claim 33 wherein the application program is an Internet
- 2 web browser.
- 1 35. The network host of Claim 24 wherein the request is initiated by an
- 2 application program on a remote host.
- 1 36. The network host of Claim 24 wherein the requester is an Internet web
- browser, the request is an hypertext transfer protocol (HTTP) "get" instruction, and
- 3 the plurality of imposter responses comprise at least one temporary web page and at
- 4 least one HTTP "meta refresh" instruction.